Prince Jain

Software Engineer (LTE/5G Developer)

Dedicated and motivated to contribute to the success of an organization by fully utilizing my skills and knowledge in a position offering continuous growth and development with seeking towards intrapreneurial skills.

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WORK EXPERIENCE

Senior Systems Engineer
Infosys Limited

12/2017 - Present *Bangalore, India*

- Working on LTE NBIOT features development for MME node in EPC architecture.
- Assisting development teams to solve complex programming problems, which deal with efficient utilization of LTE protocol stacks such as Trillium.
- Networking concepts dealing with utilization of 3GPP specifications and call flows.
- Worked intensively on GIT for code maintenance, environment building and feature integration.
- Implemented small scale projects using Python/SQL and C/C++ sockets as part of foundation training at Infosys Global Education Centre.
- Worked on socket programming for implementing MPLS cloud and communication of nodes.

Software Engineer
Amdocs

08/2017 - 12/2017 *Gurgaon, India*

- Worked on implementing and integrating solutions for Amdocs proprietary CRM based solutions.
- Worked on automation of the reporting process for operations for Oracle-based CRM software.
- Worked on Telecom domain and integrating BSS components.

EDUCATION

Bachelor of Engineering
LNCT Group, Bhopal

08/2013 - 06/2017

- Information Technology

HSC + SSC
Bal Bhavan School, Bhopal

04/2010 - 03/2013

- PCM+Fundamentals

CERTIFICATIONS

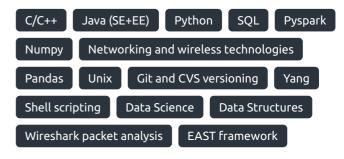Oracle Certified Associate Java SE7 Programmer

02/2016 - 04/2016 *Bhopal, India*

CERTIFICATIONS

Infosys Foundation Programme

12/2017 - 05/2018 *Mysore, India*

TECHNICAL SKILLS

C/C++ Java (SE+EE) Python SQL Pyspark

Numpy Networking and wireless technologies

Pandas Unix Git and CVS versioning Yang

Shell scripting Data Science Data Structures

Wireshark packet analysis EAST framework

PROJECTS

Mobility Management Entity (MME) features development in LTE technologies (06/2019 - Present)

- Worked on 4G MME node, developing features such as NB-IoT Power saving mode, EPCO, DCN based solution for GW selection, Enhanced coverage, Monitoring event configurations.
- Worked on the implementation and enhancement of information elements (IEs)to integrate call flows to implement feature enhancements.
- Worked on handling data flow and integrity of various nodes for 4G architecture using testing framework called EAST.
- Worked on merging, maintaining and integration of multiple features for MME node.

MPLS/ L2VPN cloud creation (07/2018 - 06/2019)

- Worked on writing a complete MPLS LDP and CLI implementation for a new Calix router operating system (AXOS).
- Implemented various features such as MPLS ping, Directed and LDP session for MPLS core.
- Took responsibility for integrating the control plane from MetaSwitch to AXOS and implementing MPLS on data plane.
- Experienced in working and having thorough knowledge on various versioning systems such as GIT, CVS.
- Worked on socket client server model creation for creation of L2VPN server core.

Database Migration Tool

- Java based desktop tool for database migration amongst heterogeneous databases using Database and ResultSet metadata schemas.

Hadoop easy installer

- Often installation of Hadoop on a machine is a cumbersome task. This tool easily installs Hadoop on the machine with less burden on user.

Sentiment Analysis for Twitter

- Developed Online reputation management tool by analysing twitter data using Tweepy API and PySpark Sentiment analysis API.

ACHIEVEMENTS

Received spot award for quick learning skills and contribution to the development of Infosys' project.

Developed automated python scripts for improved functionality of EAST testing framework.

Submitted and presented survey papers on Virtual reality and MapReduce at National Conference, LNCT.